

Appl. No. 09/161,283
Amdt. dated August 6, 2004
Reply to Office Action of April 5, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A laminated extruded resin sheet comprising a methyl methacrylate resin produced by laminating resin layers (B) on both surfaces of a resin layer (A) by a multilayer-extrusion molding method, the resin layer (A) ~~comprising~~ consisting essentially of a methyl methacrylate resin or consisting essentially of a methyl methacrylate resin and additive wherein said additive consists essentially of at least one selected from the group consisting of a light diffusing agent, a dye, optical stabilizer, ultraviolet and anti-electrostatic agent, and the resin layer (B) being made by dispersing uniformly 1 to 50 parts by weight of insoluble methyl methacrylate resin particles having a weight-average particle size of 1.0 to 33 μm based on 100 parts by weight of a base resin comprising a methyl methacrylate resin, said insoluble methyl methacrylate resin particles comprising 50% or more by weight of methyl methacrylate, and wherein the insoluble methyl methacrylate particles are obtainable by a one-stage polymerization of a monomer composition containing 50% by weight or more of methyl methacrylate ~~have a uniform composition and resin layer (A) has no insoluble methyl methacrylate particles.~~

Claim 2 (previously presented): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 1, wherein the methyl methacrylate resin in the layer (A) and the layer (B) is a resin containing 50% by weight or more of a methyl methacrylate polymer or a copolymer comprising 50% by weight or more of methyl methacrylate unit and a monofunctional unsaturated monomer unit as a constituent unit.

Claims 3 and 4 (canceled)

Claim 5 (original): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 1, wherein the difference of a ratio of the methyl methacrylate monomer unit constituting a base resin and a ratio of the methyl methacrylate monomer unit constituting the resin particle does not exceed 30%.

Claims 6 and 7 (canceled).

Claim 8 (original): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 1, wherein the layer thickness ratio [resin layer (B)/resin layer (A)/resin layer (B)] is from 1/200/1 to 1/1/1.

Claim 9 (previously presented): The laminated extruded resin sheet according to Claim 1, wherein the base resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 70 parts by weight of a rubber-containing polymer.

Claim 10 (previously presented): The laminated extruded resin sheet according to Claim 1, wherein the base resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 50 parts by weight of a rubber-containing polymer.

Claim 11 (previously presented): The laminated extruded resin sheet according to Claim 1, wherein the resin layer (A) is made by dispersing uniformly 3 to 50 parts by weight of a rubber-containing polymer into 100 parts by weight of a methyl methacrylate resin, and the base resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 70 parts by weight of a rubber-containing polymer.

Claim 12 (previously presented): The laminated extruded resin sheet according to Claim 1, wherein the resin layer (A) is made by dispersing uniformly 3 to 20 parts by weight of a rubber-containing polymer into 100 parts by weight of a methyl methacrylate resin, and the base resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 50 parts by weight of a rubber-containing polymer.

Claims 13 and 14 (canceled).

Claim 15 (previously presented): The laminated extruded resin sheet according to Claim 9, 10, 11 or 12, wherein the rubber-containing polymer is a graft copolymer obtained by graft-polymerizing 5 to 80 parts by weight of rubber with 95 to 20 parts by weight of an ethylenically unsaturated monomer.

Claim 16 (previously presented): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 1, wherein the insoluble methyl methacrylate resin particle is a methyl methacrylate resin particle having a weight-average molecular weight of 500,000 to 5,000,000 or a cross-linked methyl methacrylate resin particle.

Claim 17 (previously presented): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 1, wherein the methyl methacrylate resin is a resin containing 50% by weight or more of a methyl methacrylate polymer or a copolymer comprising 50% by weight or more of methyl methacrylate unit and a monofunctional unsaturated monomer unit as a constituent unit in at least one of layer (A) and the layer (B).

Claim 18 (currently amended): A laminated extruded resin sheet comprising a methyl methacrylate resin produced by laminating resin layers (B) on both surfaces of a resin layer (A) by a multilayer-extrusion molding method, the resin layer (A) ~~comprising~~ consisting essentially of a methyl methacrylate resin or consisting essentially of a methyl methacrylate resin and additive wherein said additive consists essentially of at least one selected from the group consisting of a light diffusing agent, a dye, optical stabilizer, ultraviolet and anti-electrostatic agent, and the resin layer (B) being made by dispersing uniformly 1 to 50 parts by weight of insoluble methyl methacrylate resin particles having a weight-average particle size of 1.0 to 33 μm based on 100 parts by weight of a base resin comprising a methyl methacrylate resin, wherein a layer thickness ratio of resin layer (B)/resin layer (A)/resin layer (B) is from 1/200/1 to 1/1/1, and wherein the base

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resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 70 parts by weight of a rubber-containing polymer, said insoluble methyl methacrylate resin particles comprising 50% or more by weight of methyl methacrylate[[,]] and are obtainable by a one-stage polymerization of a monomer composition containing 50% by weight or more of methyl methacrylate ~~whwherein the resin layer (A) has no insoluble methyl methacrylate particles.~~

Claim 19 (previously presented): The laminated extruded resin sheet according to Claim 18, wherein the resin layer (A) is made by dispersing uniformly 3 to 50 parts by weight of a rubber-containing polymer into 100 parts by weight of a methyl methacrylate resin.

Claim 20 (previously presented): The laminated extruded resin sheet according to Claim 18, wherein the resin layer (A) is made by dispersing uniformly 3 to 20 parts by weight of a rubber-containing polymer into 100 parts by weight of a methyl methacrylate resin, and the base resin comprises 100 parts by weight of a methyl methacrylate resin and 5 to 50 parts by weight of a rubber-containing polymer.

Claim 21 (previously presented): The laminated extruded resin sheet comprising a methyl methacrylate resin according to Claim 18, wherein the insoluble methyl methacrylate resin particles are methyl methacrylate resin particles having a weight-average molecular weight of 500,000 to 5,000,000 or cross-linked methyl methacrylate resin particles.

Claim 22 (previously presented): The laminated extruded resin sheet according to claim 1, wherein the resin layer (B) contains an ultraviolet absorber.

Claim 23 (previously presented): The laminiated extruded resin sheet according to claim 1, wherein the resin layer (A) contains a light diffusing agent.

Claims 24 and 25 (canceled).